

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) ~~Method-A method~~ of transmitting data packets in a packet stream, the data ~~packet~~ packets having compressed headers, ~~the~~ said method comprising: ~~the steps of:~~

compressing a header using a context;

transmitting at least one update packet ~~containing data indicating which updates said~~ the context; and

transmitting at least one non-update packet which does not update the context;

~~wherein the method further comprises the steps of:~~

detecting an irregular change of the packet stream;

~~obtaining~~ determining at least one packet stream parameter; and

~~transmitting, depending on the determined at least one packet stream parameter,~~ either an extended update packet containing information about the irregular change or an extended non-update packet containing information about the irregular change, ~~wherein the extended non-update packet is not used to update the context~~ dependent on the ~~determined packet stream parameter~~, the ~~extended packet~~ including information about the irregular change.

2. (Previously Presented) The method according to claim 1, wherein the packet stream parameter is the maximum number of consecutive packet loss.

3. (Currently Amended) The method according to claim 2, wherein said method further comprising ~~the step of:~~ comprises entering a context update phase if the number of packets sent since the last update phase is ~~greater~~ larger than the maximum number of consecutive packet loss.

4. (Currently Amended) The method according to claim 2, wherein the maximum number of consecutive packet loss ~~has been~~ is estimated by extracting a sequence number from a received ~~NACK~~ non-acknowledgement message and comparing the extracted sequence number with the current sequence number.

5. (Previously presented) The method according to claim 2, wherein the number of extended update packets is set dependent on the packet stream parameter.
6. (Currently Amended) The method according to claim 2, wherein said determining of the step of obtaining at least one packet stream parameter includes obtaining the number of subsequent packets for which the irregular change is valid.
7. (Currently Amended) The method according to claim 6, wherein said method further comprises comprising the step of comparing the maximum number of consecutive packet loss and the number of subsequent packets for which the irregular change is valid, wherein extended update packets are and transmitted transmitting extended update packets only if the number of subsequent packets for which only if the number of subsequent packets for which the irregular change is valid is greater larger than the maximum number of consecutive packet loss.
8. (Currently Amended) The method according to claim 6, wherein the number of subsequent packets for which the irregular change is valid has been is estimated by checking the a RTP Payload Type field and accessing a codec look-up table.
9. (Previously Presented) The method according to claim 6, wherein the number of subsequent packets for which the irregular change is valid has been estimated by retrieving observed packet stream properties.
10. (Currently Amended) The method according to claim 1, wherein said method further comprises applying a safety factor to the determined at least one packet stream parameter. wherein the step of obtaining at least one packet stream parameter includes the step of applying a safety factor.

11. (Currently Amended) Apparatus An apparatus for transmitting data packets in a packet stream, the data packets having compressed headers, the said apparatus comprising:

a compressor for compressing a header using a context;
a transmission means-unit for transmitting at least one update packet containing data indicating said the context, wherein said transmission unit is adapted to transmit and at least one non-update packet;

a detection means-unit for detecting an irregular change of the packet stream; and
a control means-unit for obtaining determining at least one packet stream parameter;

wherein said transmission unit and controlling said transmission means to transmits is operable to transmit, depending on the determined at least one packet stream parameter, either an extended update packet containing information about the irregular change or an extended non-update packet dependent containing information on the determined packet steam parameter, the extended packet including information about the irregular change; and

wherein the extended non-update packet is not used to update the context.

12. (Previously Presented) The apparatus according to claim 11, wherein the packet stream parameter is the maximum number of consecutive packet loss.

13. (Currently amended) The apparatus according to claim 12, wherein said apparatus further comprisingcomprises a unit-means for entering a context update phase if the number of packets sent since the last update phase is greaterlarger than the maximum number of consecutive packet loss.

14. (Currently Amended) The apparatus according to claim 12, wherein the maximum number of consecutive packet loss has beenis estimated by extracting a sequence number from a received NACKnon-acknowledgment message and comparing the extracted sequence number with the current sequence number.

15. (Currently Amended) The apparatus according to claim 12, wherein the number of extended update packets is set dependent on the packet stream parameter.

16. (Currently amended) The apparatus according to claim 12, wherein said control means-unit determining the at least one packet stream parameter is arranged for obtaining is operable to obtain the number of subsequent packets for which the irregular change is valid.

17. (Currently Amended) The apparatus according to claim 16, wherein said apparatus further comprising means comprises a unit for comparing the maximum number of consecutive packet loss and the number of subsequent packets for which the irregular change is valid, and wherein transmitting extended update packets are transmitted only if the number of subsequent packets for which the irregular change is valid is greater than the maximum number of consecutive packet loss.

18. (Currently Amended) The apparatus according to claim 16, wherein the number of subsequent packets for which the irregular change is valid has been estimated by checking the a RTP Payload Type field and accessing a codec look-up table.

19. (Previously Presented) The apparatus according to claim 16, wherein the number of subsequent packets for which the irregular change is valid has been estimated by retrieving observed packet stream properties.

20. (Currently amended) The apparatus according to claim 11, wherein said apparatus further comprises a unit for applying a safety factor to the determined at least one packet stream parameter, control means is arranged for applying a safety factor.